

Venting effects in “behind the ear” hearing aid earmolds: measurement method, measurements and simulations

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As an introduction to the topic a short overview of the role of the acoustic effects of vents in hearing aid fitting is presented. The measurement methods and details of a recent vent effects study are explained and elaborated. The measurements for different vent diameters (1 and 2 mm) and earmold lengths (short and long) and vent effect simulations for the same acoustical parameters are compared on individual and average result level. The potential for the use of vent effect simulations in hearing aid fitting is discussed.

Literatur:Dillon H. (2001).Hearing aids, New York: Thieme.Stuart A., Allen R., Downs C.R. and Carpenter M. (1999).“The effects of venting on in-the-ear, in-the-canal, and completely-in-the-canal hearing aid shell frequency responses: real-ear measures.” J Speech Lang Hear Res. 42(4): 804-13.

